



**STATE OF TENNESSEE  
DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
COOKEVILLE ENVIRONMENTAL FIELD OFFICE**

**DIVISION OF WATER POLLUTION CONTROL**

**1221 SOUTH WILLOW AVENUE**

**COOKEVILLE, TN 38506**

**PHONE 931-432-4015**

**STATEWIDE 1-888-891-8332**

**FAX 931-432-6952**

December 8, 2011

**CERTIFIED MAIL**

**Return Receipt Requested**

**Receipt # 91 7108 2133 3939 2428 0836**

Mr. Gerald Williams  
Water Plant Superintendent  
2089 E. First Street  
Crossville, TN 38555

**Re: Compliance Evaluation Inspection  
Crab Orchard Utility District  
NPDES # TN0067831 – Permit Expires June 30, 2015  
Receiving Waters: Otter Creek, Cumberland County, TN**

Dear Mr. Williams:

On December 2, 2011, Division of Water Pollution Control (WPC) personnel conducted an inspection of the Crab Orchard Utility District Water Treatment Plant (WTP). The purpose of the inspection was to evaluate compliance with the general NPDES permit for WTP filter backwash and sedimentation basin discharge and to determine the reliability of data submitted on the Discharge Monitoring Reports (DMR). The discharge is to the Otter Creek Reservoir.

**Permit**

Coverage under the General NPDES Permit for Discharges of Filter Backwash and Sedimentation Basin Wastewater from the Water Treatment Plants became effective on August 2, 2010, and will expire on June 30, 2015. The general NPDES permit is available for download at <http://www.state.tn.us/environment/permits/filtwash.shtml>.

**Facility Review**

Filter backwash water and sedimentation basin wastewater are discharged to two sediment basins in series prior to discharge to the Otter Creek Reservoir. Clear water is decanted from the second basin via a weir structure. The required signage was missing at the outfall to the reservoir and should be replaced as soon as possible.

**Laboratory / Records Review**

The permit requires that tested parameters be sampled once per month. The required records are being maintained and were readily available. The records were found to be consistent with the data submitted on

the DMRs. The DMRs are promptly sent to the WPC Central Office. The laboratory and associated equipment and instruments were well-maintained and organized. Records of sample collection, analysis, equipment calibration, and maintenance were in good order and were made available upon request. Chlorine, pH, Iron, Settleable Solids, and Suspended Solids tests are being performed at the water plant. Sample analysis for aluminum is being performed by an approved private laboratory.

We extend our thanks to the Crab Orchard Utility District staff for their time and courtesy during the inspection. If you have any questions, I can be reached at (931) 432-7631 or via e-mail at [Brian.Mayo@tn.gov](mailto:Brian.Mayo@tn.gov).

Sincerely,



Brian Mayo  
Division of Water Pollution Control  
Cookeville Environmental Field Office

Mr. Bill Hall, WPC Cookeville EFO, Program Manager (*via e-mail*)  
Mr. Johnny Walker, DWS Cookeville EFO, Program Manager (*via e-mail*)  
WPC EFO File (Cumberland Co.)

Enclosure: Copy of EPA 3560 Form